

10/535446

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 June 2004 (10.06.2004)

PCT

(10) International Publication Number
WO 2004/048540 A2

- (51) International Patent Classification⁷: C12N (74) Agents: SHAYESTEH, Laleh et al.; Exelixis, Inc., 170 Harbor Way, P.O. Box 511, South San Francisco, CA 94083-0511 (US).
- (21) International Application Number: PCT/US2003/037547
- (22) International Filing Date: 24 November 2003 (24.11.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/428,874 25 November 2002 (25.11.2002) US
- (71) Applicant (for all designated States except US): EX-ELIXIS, INC. [US/US]; 170 Harbor Way, P.O. Box 511, South San Francisco, CA 94083-0511 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): KADYK, Lisa, C. [US/US]; 431 Mangels Avenue, San Francisco, CA 94127 (US). FRANCIS, George, Ross [US/US]; 424 Buel Avenue, Pacifica, CA 94044 (US). BJERKE, Lynn, Margaret [US/US]; 728 Alabama Street, #201, San Francisco, CA 94110 (US). LICKTEIG, Kim [US/US]; 1921 Grove Street, San Francisco, CA 94117 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/048540 A2

(54) Title: MRACS AS MODIFIERS OF THE RAC PATHWAY AND METHODS OF USE

(57) Abstract: Human MRAC genes are identified as modulators of the RAC pathway, and thus are therapeutic targets for disorders associated with defective RAC function. Methods for identifying modulators of RAC, comprising screening for agents that modulate the activity of MRAC are provided.